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Frequently Asked Questions Fireworks Plan Submittal Guideline

The [Michigan Fireworks Safety Act, Public Act 256 of 2011](#), adopts Chapter 7 of [NFPA 1124](#), 2006 Edition with amendments found in the [Fireworks Safety General Rules](#). Please become familiar with the requirements set forth in these documents as your application may require you to submit site and/or floor plan drawings for plan review and/or have the documentation available upon request at the Consumer Fireworks Retail Sales (CFRS) site for your inspector's review. Below is a detailed fireworks plan submittal guideline to help you determine what is specifically required for your CFRS facility.

Please note: It is important to provide accurate and detailed plans in order for the Bureau to complete the plan review process. Per the Fireworks Safety General Rules plans, when required, shall be submitted to the Bureau no later than April 1 of the application year.

- 1. Question:** Number five of the online application questionnaire asks me to indicate if my CFRS facility is under the exempt amount of pyrotechnic material. Can you explain what is considered to be under the exempt amount?

Answer: Yes. The CFRS location is considered to be under the exempt amount of pyrotechnic material if:

- a) The total quantity of consumer fireworks on display does not exceed 125 pounds of pyrotechnic material for both permanent and non-permanent structures not equipped with an automatic sprinkler system.
 - b) The total quantity of consumer fireworks on display does not exceed 250 pounds of pyrotechnic material for permanent buildings equipped with an automatic sprinkler system installed in accordance with [NFPA 13, Standard for the Installation of Sprinkler Systems](#).
- 2. Question:** How would I determine how many pounds of pyrotechnic material there are in my fireworks display?

Answer: To determine the amount of pyrotechnic composition in your packaged fireworks display, you can figure that 25% of the total product weight is considered to be pyrotechnic material.

For example: If you have 500 pounds of packaged fireworks you can figure that you have 125 pounds of pyrotechnic material. If you have 1000 pounds of packaged fireworks you can figure you have 250 pounds of pyrotechnic material.

- 3. Question:** What are the plan review requirements for temporary facilities such as a tent or a stand?

Answer: The plan review requirements for temporary facilities are as follows:

- a) If under the exempt amount of pyrotechnic material as described above, site and floor plans are NOT required to be submitted with the required application documents. However, you are required to have a product inventory with package weights available at the CFRS location site for inspector verification at the time of inspection. Please note: failure to comply will result in a citation.
- b) If over the exempt amount of pyrotechnic material as described above, a site plan is required to be submitted with your application documents for plan review. The site plan shall include the following items including minimum distances from the following as applicable:
 - Public ways: within 150 feet of a public way or an approved fire apparatus access
 - Buildings: a minimum distance of 20 feet
 - Other CFRS facilities: a minimum distance of 20 feet
 - Motor vehicle fuel-dispensing station dispensers: a minimum distance of 50 feet
 - Retail propane-dispensing station dispensers: a minimum distance of 50 feet
 - Flammable and combustible liquid above-ground tank storage: a minimum distance of 50 feet
 - Flammable gas and flammable liquefied gas bulk above-ground storage and dispensing areas: a minimum distance of 300 feet
 - Vehicle access and parking areas: vehicles, including customer cars, have to be parked at least 10 feet away
 - Storage of consumer fireworks: a minimum distance of 20 feet

Please note: A detailed floor plan showing the location of tables, displays and exits shall be kept on-site of the CFRS location however; it is NOT required to be submitted with your application documents.

4. Question: What are the plan review requirements for permanent facilities such as a building or a portion of a building?

Answer: The plan review requirements for permanent facilities are as follows:

- a) If under the exempt amount of pyrotechnic material as described above, site and floor plans are NOT required to be submitted with your application documents. However, you are required to have a product inventory with package weights available at the CFRS location site for inspector verification at the time of inspection. Please note: failure to comply will result in a citation.
- b) If over the exempt amount of pyrotechnic material as described above and a CFRS certificate was issued to the same certificate holder the previous year at the same location and there have been no changes made to the site, facility structure or floor plan, site and floor plans are NOT required to be submitted with your application documents.
- c) If over the exempt amount of pyrotechnic material as described above, the site and floor plans are required to be submitted with your application documents for new facilities.

The site plan shall include all of the following items, including minimum distances from the following as applicable:

- Public ways: within 150 feet of a public way or an approved fire apparatus access
- Other buildings: minimum distances pursuant to Sections 7.4.7.1.1 and 7.4.7.1.2 of [NFPA 1124](#), 2006 Edition.
- Motor vehicle fuel-dispensing station dispensers: a minimum distance of 50 feet
- Retail propane-dispensing station dispensers: a minimum distance of 50 feet
- Flammable and combustible liquid above-ground tank storage: a minimum distance of 50 feet
- Flammable gas and flammable liquefied gas bulk above-ground storage and dispensing areas: a minimum distance of 300 feet
- Vehicle access and parking areas: vehicles, including customer cars, have to be parked at least 10 feet away

The floor plan shall include all of the following items as applicable:

- Location and type of portable fire extinguishers
- A dimensioned floor plan with room names that shows the layout of storage and displays to indicate compliance with Chapter 7 of [NFPA 1124](#), 2006 Edition including aisles, proposed flame break locations and

construction, proposed shelving materials, and height of displays and shelving

- Means of egress, including the location of exit doors, size of doors, exit signs, aisle widths, emergency lights, and travel distance to exits
- Construction details for structures and fire-rated construction for required walls, including ceiling height and square footage of the building
- The maximum expected quantity of pyrotechnic material on display and maximum expected quantity of pyrotechnic material stored on site